



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200  
Fax 613 632-5246

**D119-796-251**  
**Job Sheet 190029**



**Part No:** D119-796-251

**Job Qty:** 1 pcs

**Part Name:** Aft Crosstube Installation With Step (No Hardware)



**Part Weight:** 0 lbs

**Status:** Scheduled

**Priority:** Medium

**Job Created:** 2/4/19

**Job Tracking No:**

**Due Date:** 4/5/19

**Created By:** Jesse White

**Type:** Stock

**Description:**

**Note:** DWG D119-796-251 REV E, IIN-D119-796 REV F IPP REV:A 14.09.09 NEW ISSUE DD VERF:JLM IPP  
REV:B 14.10.15 AS PER REV.A DD VERF:JLM IPP REV:C 14.11.19 AS PER REV.C DD VERF:JLM IPP  
REV:D 14.12.09 AS PER REV.PC6 DD VERF:JLM IPP REV:E 15.02.11 AS PER REV D JLM VERF:DD IPP  
REV:F 17.12.11 REMOVE PACK KIT DD VERF:DP

**Ship Via:**

### Bill of Materials

### Job Routing

| Op No | Operation                      | Qty   | Start Date | Due Date | Standard  |         | Workcenter/Supplier       |           | Sign-off  |
|-------|--------------------------------|-------|------------|----------|-----------|---------|---------------------------|-----------|-----------|
|       |                                |       |            |          | Setup Hrs | Run Hrs | Workcenter / Supplier     | Lead Time |           |
| 90    | Start up Operation             | 1 Ea  | 4/5/19     | 4/5/19   | 0.00      | 0.00    | Start Up Crosstubes-1     |           | As 19-4-8 |
| 130   | <del>Crosstubes - 1</del>      | 1 pcs | 4/5/19     | 4/5/19   | 0.00      | 0.51    | <del>Crosstubes - 1</del> |           |           |
| 135   | Crosstubes - 2 - B4B           | 1 pcs | 4/5/19     | 4/5/19   | 0.00      | 0.51    | Crosstubes - 1 - B4B      |           |           |
|       |                                |       |            |          |           |         | Crosstubes - 2 - B4B      |           |           |
|       |                                |       |            |          |           |         | Crosstubes - 3 - B4B      |           |           |
|       |                                |       |            |          |           |         | Crosstubes - 4 - B4B      |           | As 19-4-8 |
| 140   | QC 5                           | 1 pcs | 4/5/19     | 4/5/19   | 0.00      | 0.00    | QC 5 - 10                 |           |           |
|       |                                |       |            |          |           |         | QC 5 - 12                 |           |           |
|       |                                |       |            |          |           |         | QC 5 - 17                 |           |           |
|       |                                |       |            |          |           |         | QC 5 - 18                 |           |           |
|       |                                |       |            |          |           |         | QC 5 - 19                 |           |           |
|       |                                |       |            |          |           |         | QC 5 - 22                 |           |           |
|       |                                |       |            |          |           |         | QC 5 - 24                 |           |           |
|       |                                |       |            |          |           |         | QC 5 - 3                  |           |           |
|       |                                |       |            |          |           |         | QC 5 - 43                 |           |           |
|       |                                |       |            |          |           |         | QC 5 - 49                 |           |           |
|       |                                |       |            |          |           |         | QC 5 - 51                 |           |           |
|       |                                |       |            |          |           |         | QC 5 - 58                 |           |           |
|       |                                |       |            |          |           |         | QC 5 - 68                 |           |           |
|       |                                |       |            |          |           |         | QC 5 - 9                  |           |           |
|       |                                |       |            |          |           |         | QC 5 - 50                 |           |           |
|       |                                |       |            |          |           |         | QC 5 - 30                 |           |           |
|       |                                |       |            |          |           |         | QC 5 - 40                 |           |           |
| 142   | Packaging 1-1 - Pick Kit - B4B | 1 pcs | 4/5/19     | 4/5/19   | 0.00      | 0.00    | Packaging1-6              |           | NR        |
| 143   | QC 4                           | 1 pcs | 4/5/19     | 4/5/19   | 0.00      | 0.00    | QC4                       |           | NR        |
| 145   | DC - 1 - B4B                   | 1 pcs | 4/5/19     | 4/5/19   | 0.00      | 0.00    | DC                        |           | NR        |
| 150   | Packaging 3-1 - Stock - B4B    | 1 pcs | 4/5/19     | 4/5/19   | 0.00      | 0.00    | Packaging 3 - 1 - B4B     |           |           |
|       |                                |       |            |          |           |         | Packaging 3 - 2 - B4B     |           |           |
|       |                                |       |            |          |           |         | Packaging 3 - 3 - B4B     |           |           |

|                |  |  |  |  |                        |              |
|----------------|--|--|--|--|------------------------|--------------|
|                |  |  |  |  | Packaging 3 - 4 - B4B  |              |
|                |  |  |  |  | Packaging 3 - 5 - B4B  |              |
|                |  |  |  |  | Packaging 3 - 6 - B4B  |              |
|                |  |  |  |  | Packaging 3 - 7 - B4B  |              |
|                |  |  |  |  | Packaging 3 - 8 - B4B  |              |
|                |  |  |  |  | Packaging 3 - 9 - B4B  |              |
|                |  |  |  |  | Packaging 3 - 10 - B4B |              |
|                |  |  |  |  | Packaging 3 - 11 - B4B |              |
|                |  |  |  |  | Packaging 3 - 12 - B4B |              |
|                |  |  |  |  | Packaging 3 - 13 - B4B |              |
|                |  |  |  |  | Packaging 3 - 14 - B4B |              |
|                |  |  |  |  | Packaging 3 - 15 - B4B |              |
|                |  |  |  |  | Packaging 3 - 16 - B4B |              |
|                |  |  |  |  | Packaging 3 - 17 - B4B |              |
|                |  |  |  |  | Packaging 3 - 18 - B4B |              |
|                |  |  |  |  | Packaging 3 - 19 - B4B |              |
|                |  |  |  |  | Packaging 3 - 20 - B4B |              |
|                |  |  |  |  | Packaging 3 - 21 - B4B |              |
|                |  |  |  |  | Packaging 3 - 22 - B4B | LG050 19-4-8 |
|                |  |  |  |  | Packaging 3 - 23 - B4B |              |
|                |  |  |  |  | Packaging 3 - 24 - B4B |              |
|                |  |  |  |  | Packaging 3 - 25 - B4B |              |
|                |  |  |  |  | Packaging 3 - 26 - B4B |              |
|                |  |  |  |  | Packaging 3 - 27 - B4B |              |
|                |  |  |  |  | Packaging 3 - 28 - B4B |              |
|                |  |  |  |  | Packaging 3 - 29 - B4B |              |
|                |  |  |  |  | Packaging 3 - 30 - B4B |              |
|                |  |  |  |  | Packaging 3 - 31 - B4B |              |
|                |  |  |  |  | Packaging 3 - 32 - B4B |              |
|                |  |  |  |  | Packaging 3 - 33 - B4B |              |
|                |  |  |  |  | Packaging 3 - 34 - B4B |              |
|                |  |  |  |  | Packaging 3 - 35 - B4B |              |
|                |  |  |  |  | Packaging 3 - 36 - B4B |              |
| 160 QC 21 - FG |  |  |  |  | QC 21 - FG - 21        | DAS 21       |
|                |  |  |  |  | QC 21 - FG - 70        | 9-85         |
|                |  |  |  |  | QC 21 - FG - 53        | APR 08 2019  |

Part Op 130 - 1- Install step and clamp with the proper position per dwg D119-796-251 \*\*\*Torque all clamps to 50 IN-LBS max.\*\*\*  
 Descriptions: 135 - 1- Install step and clamp with the proper position per dwg D119-796-251 \*\*\*Torque all clamps to 50 IN-LBS max.\*\*\*  
 140 - (QC5- Inspect part completeness to step on W/O) \*\*\*RE-CHECK TORCQUE ON CLAMP AS PER DWG.\*\*\*  
 142 - (Pick Kit)  
 143 - (QC4- 100% Inspect kits for completeness)  
 145 - Photocopy bluefile and create labels as per PPP D119-796-251 chg 004  
 150 - (Identify as per dwg & Stock Location: \_\_\_\_\_) Identify and pack for shipping as per PPP D119-796-251  
 160 - (QC21- Final Inspection - Work Order Release)

#### Job BOM

| Part / Item  | Component Name                                        | Quantity     | Operation             | Container |
|--------------|-------------------------------------------------------|--------------|-----------------------|-----------|
| D119-796-241 | Aft Crosstube Installation Without Step (No Hardware) | 1 pcs (1 ea) | 90-Start up Operation |           |
| D5149-043    | Aft Step Base Assembly                                | 2 pcs (2 ea) | 90-Start up Operation |           |
| D5123-3      | Clamp Cushion                                         | 4 pcs (4 ea) | 90-Start up Operation |           |
| MS21920-25   | Clamp                                                 | 4 Ea (4 ea)  | 90-Start up Operation |           |

#### Job Allocations

| Operation             | Component Part | Required | Inventory | Allocated |
|-----------------------|----------------|----------|-----------|-----------|
| 90-Start up Operation | D119-796-241   | 1        | 2         | 0         |
|                       | D5123-3        | 4        | 193       | 0         |
|                       | D5149-043      | 2        | 4         | 0         |
|                       | MS21920-25     | 4        | 61        | 0         |

|                                    |
|------------------------------------|
| <b>Part Specifications</b>         |
| Specifications could not be found. |

Plex 4/8/19 11:31 AM Dart.Hadley.Shannon





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Canada

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**D119-796-251**  
**Job Sheet 190029**



**Part No:** D119-796-251

**Job Qty:** 1 ea

**Part Name:** Aft Crosstube Installation With Step (No Hardware)



**Part Weight:** 0 lbs

**Status:** New

**Priority:** Medium

**Job Created:** 2/4/19

**Job Tracking No:**

**Due Date:** 4/5/19

**Created By:** Jesse White

**Type:** Stock

**Description:**

**Note:** DWG D119-796-251 REV E, IIN-D119-796 REV F IPP REV:A 14.09.09 NEW ISSUE DD VERF:JLM IPP REV:B 14.10.15 AS PER REV.A DD VERF:JLM IPP REV:C 14.11.19 AS PER REV.C DD VERF:JLM IPP REV:D 14.12.09 AS PER REV.PC6 DD VERF:JLM IPP REV:E 15.02.11 AS PER REV D JLM VERF:DD IPP REV:F 17.12.11 REMOVE PACK KIT DD VERF:DP

**Ship Via:**

### Bill of Materials

### Job Routing

| Op No | Operation          | Qty   | Start Date | Due Date | Standard  |         | Workcenter/Supplier   |           | Sign-off  |
|-------|--------------------|-------|------------|----------|-----------|---------|-----------------------|-----------|-----------|
|       |                    |       |            |          | Setup Hrs | Run Hrs | Workcenter / Supplier | Lead Time |           |
| 90    | Start up Operation | 1 Ea  |            | 4/5/19   | 0.00      | 0.00    | Start Up Crosstubes-1 |           | AR 19-4-8 |
| 130   | Crosstubes         | 1 pcs |            | 4/5/19   | 0.00      | 0.51    | Crosstubes-1          |           | AR 19-4-8 |
| 140   | QC                 | 1 pcs |            | 4/5/19   | 0.00      | 0.00    | QC5                   |           |           |
| 142   | Packaging          | 1 pcs |            | 4/5/19   | 0.00      | 0.00    | Packaging1-6          |           | NR        |
| 143   | QC                 | 1 pcs |            | 4/5/19   | 0.00      | 0.00    | QC4                   |           | NR        |
| 145   | DC                 | 1 pcs |            | 4/5/19   | 0.00      | 0.00    | DC                    |           | NR        |
| 150   | Packaging          | 1 pcs |            | 4/5/19   | 0.00      | 0.00    | Packaging3-1          | LG050     | AR 19-4-8 |
| 160   | QC21-FG            | 1 Ea  |            | 4/5/19   | 0.00      | 0.00    | QC21                  |           |           |

Part Op 130 - 1- Install step and clamp with the proper position per dwg D119-796-251 \*\*\*Torque all clamps to 50 IN-LBS max.\*\*\*  
Descriptions: 140 - \*\*\*RE-CHECK TORCQUE ON CLAMP AS PER DWG.\*\*\*

145 - Photocopy bluefile and create labels as per PPP D119-796-251 chg 004

150 - Identify and pack for shipping as per PPP D119-796-251

*Ref to 19-4-8*

### Job BOM

| Part / Item  | Component Name                                        | Quantity     | Operation             | Container |
|--------------|-------------------------------------------------------|--------------|-----------------------|-----------|
| D119-796-241 | Aft Crosstube Installation Without Step (No Hardware) | 1 pcs (1 ea) | 90-Start up Operation |           |
| D5123-3      | Clamp Cushion                                         | 4 pcs (4 ea) | 90-Start up Operation |           |
| D5149-043    | Aft Step Base Assembly                                | 2 Ea (2 ea)  | 90-Start up Operation |           |
| MS21920-25   | Clamp                                                 | 4 Ea (4 ea)  | 90-Start up Operation |           |

### Job Allocations

| Operation                                             | Component Part              | Required | Inventory | Allocated |
|-------------------------------------------------------|-----------------------------|----------|-----------|-----------|
| 90-Start up Operation <i>5155825</i><br><i>187569</i> | D119-796-241 <i>5155825</i> | 1        | 0         | 0         |
|                                                       | D5123-3 <i>079324</i>       | ④        | 205       | 0         |
|                                                       | D5149-043 <i>156653</i>     | ②        | 0         | 0         |
|                                                       | MS21920-25 <i>142130</i>    | ④        | 161       | 0         |

Entered: \_\_\_\_\_ Date: \_\_\_\_\_



## WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. \_\_\_\_\_

Route update only ☐

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |              |  |                                           |                                           |                                        |                                            |                                          |                                    |                                            |                                    |                                             |                                            |                                              |                                           |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--|-------------------------------------------|-------------------------------------------|----------------------------------------|--------------------------------------------|------------------------------------------|------------------------------------|--------------------------------------------|------------------------------------|---------------------------------------------|--------------------------------------------|----------------------------------------------|-------------------------------------------|
| Job: _____<br><br>Part No. _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>DISPOSITION</b><br><br>Rework <input type="checkbox"/><br>Scrap <input type="checkbox"/><br>Use-as-is <input type="checkbox"/> | <b>DEPARTMENT/PROCESS</b><br><br><table style="width: 100%;"> <tr> <td style="width: 15%;">Skid-tube <input type="checkbox"/></td> <td style="width: 15%;">Cross tube <input type="checkbox"/></td> <td style="width: 15%;">Eng. (Non-AW) <input type="checkbox"/></td> <td style="width: 15%;">Engineering <input type="checkbox"/></td> </tr> <tr> <td>Machining <input type="checkbox"/></td> <td>Small Fab <input type="checkbox"/></td> <td>Prod. Eng. Coord. <input type="checkbox"/></td> <td>Water Jet <input type="checkbox"/></td> </tr> <tr> <td>Large Fab <input type="checkbox"/></td> <td>Finishing <input type="checkbox"/></td> <td>Rec/Store/Packaging <input type="checkbox"/></td> <td>Supplier Quality <input type="checkbox"/></td> </tr> </table> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |              |  | Skid-tube <input type="checkbox"/>        | Cross tube <input type="checkbox"/>       | Eng. (Non-AW) <input type="checkbox"/> | Engineering <input type="checkbox"/>       | Machining <input type="checkbox"/>       | Small Fab <input type="checkbox"/> | Prod. Eng. Coord. <input type="checkbox"/> | Water Jet <input type="checkbox"/> | Large Fab <input type="checkbox"/>          | Finishing <input type="checkbox"/>         | Rec/Store/Packaging <input type="checkbox"/> | Supplier Quality <input type="checkbox"/> |
| Skid-tube <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Cross tube <input type="checkbox"/>                                                                                               | Eng. (Non-AW) <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Engineering <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |              |  |                                           |                                           |                                        |                                            |                                          |                                    |                                            |                                    |                                             |                                            |                                              |                                           |
| Machining <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Small Fab <input type="checkbox"/>                                                                                                | Prod. Eng. Coord. <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Water Jet <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |              |  |                                           |                                           |                                        |                                            |                                          |                                    |                                            |                                    |                                             |                                            |                                              |                                           |
| Large Fab <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Finishing <input type="checkbox"/>                                                                                                | Rec/Store/Packaging <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Supplier Quality <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |              |  |                                           |                                           |                                        |                                            |                                          |                                    |                                            |                                    |                                             |                                            |                                              |                                           |
| Date : _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Sequence #: _____                                                                                                                 | QTY Affected : _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | MRB (QSI042) |  |                                           |                                           |                                        |                                            |                                          |                                    |                                            |                                    |                                             |                                            |                                              |                                           |
| Description Work Order Deviation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Disposition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |              |  |                                           |                                           |                                        |                                            |                                          |                                    |                                            |                                    |                                             |                                            |                                              |                                           |
| <div style="position: absolute; top: 50px; left: 50px; width: 200px;"> <p><b>DART AEROSPACE</b><br/>           1270 Aberdeen Street<br/>           Heckesbury, ON K6A 1K7<br/>           CANADA<br/>           TEL.: 1 513 632-5200<br/>           Email: sales@dartaero.com<br/>           www.dartaero.com</p> </div> <div style="position: absolute; top: 150px; left: 50px;"> <p>Container No: S170377</p> <p>Part: D119-796-251</p> <p>Job No: 190029</p> <p>Serial No/Batch: S170377</p> <p>Revision: E/F</p> <p>Inspector: _____</p> <p>Exp Date: _____</p> <p>Instructions: TC STC SH14-45 - Issued: 15/01/28, EASA</p> </div> |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Completed By                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |              |  |                                           |                                           |                                        |                                            |                                          |                                    |                                            |                                    |                                             |                                            |                                              |                                           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Lead hand / Supervisor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |              |  |                                           |                                           |                                        |                                            |                                          |                                    |                                            |                                    |                                             |                                            |                                              |                                           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | QC / QA Coordinator                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |              |  |                                           |                                           |                                        |                                            |                                          |                                    |                                            |                                    |                                             |                                            |                                              |                                           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <b>FAULT CATEGORY</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |              |  |                                           |                                           |                                        |                                            |                                          |                                    |                                            |                                    |                                             |                                            |                                              |                                           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <table style="width: 100%;"> <tr> <td style="width: 15%;"><input type="checkbox"/> Power Loss/Surge</td> <td style="width: 15%;"><input type="checkbox"/> Positioned Wrong</td> </tr> <tr> <td><input type="checkbox"/> Folio/Program</td> <td><input type="checkbox"/> Outside Tolerance</td> </tr> <tr> <td><input type="checkbox"/> Grain Direction</td> <td><input type="checkbox"/> Drawing</td> </tr> <tr> <td><input type="checkbox"/> Weld</td> <td><input type="checkbox"/> Finish</td> </tr> <tr> <td><input type="checkbox"/> Wrong Stock Pulled</td> <td><input type="checkbox"/> Part Lost/Missing</td> </tr> <tr> <td><input type="checkbox"/> Out of Sequence</td> <td><input type="checkbox"/> Misread</td> </tr> <tr> <td><input type="checkbox"/> Off-set/Set-up</td> <td></td> </tr> </table> |              |  | <input type="checkbox"/> Power Loss/Surge | <input type="checkbox"/> Positioned Wrong | <input type="checkbox"/> Folio/Program | <input type="checkbox"/> Outside Tolerance | <input type="checkbox"/> Grain Direction | <input type="checkbox"/> Drawing   | <input type="checkbox"/> Weld              | <input type="checkbox"/> Finish    | <input type="checkbox"/> Wrong Stock Pulled | <input type="checkbox"/> Part Lost/Missing | <input type="checkbox"/> Out of Sequence     | <input type="checkbox"/> Misread          |
| <input type="checkbox"/> Power Loss/Surge                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <input type="checkbox"/> Positioned Wrong                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |              |  |                                           |                                           |                                        |                                            |                                          |                                    |                                            |                                    |                                             |                                            |                                              |                                           |
| <input type="checkbox"/> Folio/Program                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <input type="checkbox"/> Outside Tolerance                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |              |  |                                           |                                           |                                        |                                            |                                          |                                    |                                            |                                    |                                             |                                            |                                              |                                           |
| <input type="checkbox"/> Grain Direction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <input type="checkbox"/> Drawing                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |              |  |                                           |                                           |                                        |                                            |                                          |                                    |                                            |                                    |                                             |                                            |                                              |                                           |
| <input type="checkbox"/> Weld                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <input type="checkbox"/> Finish                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |              |  |                                           |                                           |                                        |                                            |                                          |                                    |                                            |                                    |                                             |                                            |                                              |                                           |
| <input type="checkbox"/> Wrong Stock Pulled                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <input type="checkbox"/> Part Lost/Missing                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |              |  |                                           |                                           |                                        |                                            |                                          |                                    |                                            |                                    |                                             |                                            |                                              |                                           |
| <input type="checkbox"/> Out of Sequence                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <input type="checkbox"/> Misread                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |              |  |                                           |                                           |                                        |                                            |                                          |                                    |                                            |                                    |                                             |                                            |                                              |                                           |
| <input type="checkbox"/> Off-set/Set-up                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |              |  |                                           |                                           |                                        |                                            |                                          |                                    |                                            |                                    |                                             |                                            |                                              |                                           |
| Human Factors <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |              |  |                                           |                                           |                                        |                                            |                                          |                                    |                                            |                                    |                                             |                                            |                                              |                                           |